



## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of

Shinich Ooizumi et al.

Appln. No.: 10/689,039

Examiner: DANIELS, MATTHEW J

Filed: October 21, 2003

Group Art Unit: 1732

For: PROCESS OF PRODUCING POROUS FILMS

DECLARATION UNDER 37 C.F.R. §1.132

Honorable Commissioner for Patents

Alexandria, VA 22313-1450

Sir:

I, Shinichi Ooizumi, do declare and state as follows:

I graduated from the Nagaoka University of Technology, Mechanical System Engineering, and received a Master's degree from the same university on March of 1985.

I have been employed by NITTO DENKO CORPORATION since April 1, 1985, and since that time I have been engaged in development of battery separators.

I have reviewed the above-captioned U.S. Patent Application and the November 2, 2005 Office Action.

EXPERIMENTATION

Sheet moldings for Comparative Examples A to O were prepared in the same manner

as the preparation of the sheet molding of Example 1 in the present specification so as to each have a thickness (i.e., sheet thickness before rolling) shown in the following Table A.

Each of the sheet moldings was pressurized and rolled into each thickness using a roll pressing machine (roll temperature: 125°C, roll diameter: 10 inch, roll peripheral speed: 0.8 m/min). The elastic recovery rate of each sheets were calculated in the same manner as Examples and Comparative Examples in the present specification.

Table A

	Gap between rollers (mm)	Sheet thickness before rolling (mm)	Sheet thickness after rolling (mm)	Elastic recovery rate (%)
Comparative Example A	5	8.8	6.9	38.9
Comparative Example B	5	8.8	7.6	52.6
Comparative Example C	5	8.8	7.1	41.5
Comparative Example D	5	8.8	7.2	44.1
Comparative Example E	4	7.8	6.1	52.0
Comparative Example F	6	8.9	7.8	30.6
Comparative Example G	5	7.8	6.9	37.3
Comparative Example H	4	6.9	5.9	46.5
Comparative Example I	6	8.8	7.7	28.5
Comparative Example J	6	8.8	7.8	29.2
Comparative Example K	5	7.8	7.1	41.6
Comparative Example L	4	7.1	5.7	42.4
Comparative Example M	6	8.8	7.8	29.8
Comparative Example N	5	7.8	6.9	37.9
Comparative Example O	4	6.9	5.8	44.5

I declare further that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the

United States Code and that such willful false statements may jeopardize the validity of the application or any patent issuing thereon.

Date : April 19, 2006 Name : Shinichi Ooizumi

Shinichi Ooizumi